

POINTSOURCE

BATTERY POWERED POE INJECTOR



OPERATING INSTRUCTIONS

PLEASE READ CAREFULLY



Package contents

- 1 x POINTSOURCE unit
- 1 x Shoulder strap
- 1 x Universal charger (UK, US, EU, AU plugs)
- 1 x 1.5m Red network patch cable
- 1 x 1.0m Blue network patch cable
- 1 x Operating instructions (this leaflet)

Important safety notes

- *Only the supplied charger should be connected to POINTSOURCE.*
- *Do not charge POINTSOURCE in a fully sealed enclosure.*
- *Do not attempt to service the unit or replace the battery. Other brands of lead-acid battery are not compatible with POINTSOURCE.*
- *Take care when connecting accessories to the 12 volt terminals. POINTSOURCE can deliver high currents before tripping its internal fuse.*

Maintaining battery performance

For optimal battery performance and longevity, POINTSOURCE should be fully charged:

- before first use
- after long periods of storage
- before being stored for long periods
- every six months during storage

Always switch off POINTSOURCE when it is not in use, even if the unit is fully discharged.

Overview

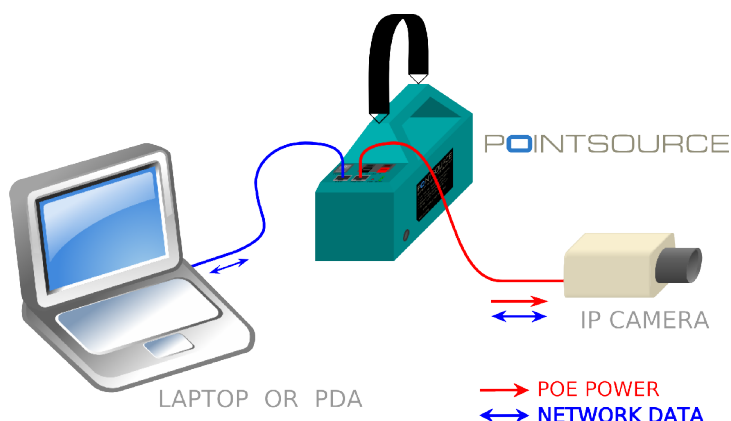
Veracity's POINTSOURCE is a portable, rechargeable battery-powered Power over Ethernet (PoE) injector. It is designed to be compact and easy to handle, yet able to deliver enough power to support a full day of IP camera installation.

POINTSOURCE can be used with all PoE-powered equipment, such as IP cameras and wireless access points, enabling applications such as:

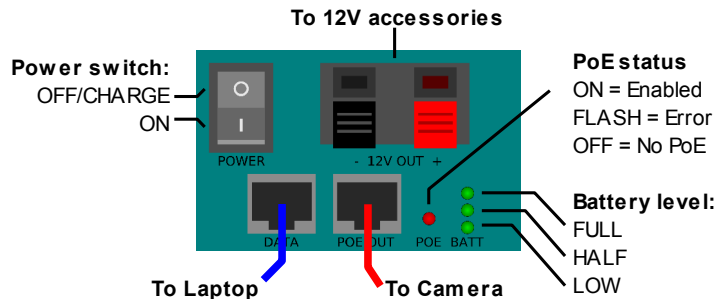
- on-site configuration
- site surveys and pre-installation trials
- customer demonstrations
- mobile and temporary installations

It complies with the universal 802.3af PoE standard, and can deliver up to 15.4 watts of PoE power, while simultaneously powering other 12 Volt accessories if required.

Network crossover between ports is integrated, to allow direct connection of a laptop PC, as shown in the example below:



Connections



Charging

POINTSOURCE should be charged before first use and after long periods of storage. If stored, it should be fully charged before storage, and recharged every 6 months to maintain battery performance.

To charge the POINTSOURCE unit, connect the supplied charger to the socket on the side of the unit, with the unit switched off. The unit should sit on a horizontal surface *in a ventilated area* (such as a shelf or bench in an office or workshop) during charging.

The LED on the charger will light red during charging, and green when charging is complete or if no charge is required. Charge time is approximately 10 hours.

The supplied charger is a “three-stage” device. If left connected, the charger will deliver a safe “float” charge to maintain the battery’s charge. *Only the supplied charger should be used.*

Operation

1. Connect your laptop or other network equipment to the DATA port using the supplied blue patch cable
2. Connect your IP camera or other PoE device to the POE OUT port using the supplied red patch cable
3. Switch on POINTSOURCE and allow the camera to power-up
4. Configure the camera using the laptop as normal

Note: the laptop and camera are connected in exactly the same way as if they had been directly connected with a network crossover cable. POINTSOURCE does not have any effect on the network data connection.

Therefore, if you are experiencing problems connecting to the camera, please consult the camera manufacturer’s documentation or contact your camera supplier for support.

You can leave POINTSOURCE switched on and “hot-plug” network connections without damage, however it is recommended to switch off the unit when not in use, even if it is fully discharged.

Technical specification

Dimensions:	190 x 120 x 90mm (7.5 x 4.7 x 3.5in)
Weight:	1.7kg (3.75lb) unpackaged
Compliance:	RoHS, Battery Directive compliant CE, FCC, REACH exempt IATA non-restricted (OK to transport by air)
Temperature:	Operating -20 to 45°C (-4 to 113°F) Charge 0 to 35°C (32 to 95°F)
Network :	100BASE-TX, 10BASE-T
PoE:	IEEE 802.3at 15.4 watts max
Auxiliary output:	10 to 13.5 volt (Typ 12 volt) 1.5 amps max
Fuse:	3A slow-blow, self-resetting
Discharge life:	6 hours continuous for a 5 watt camera (typ)
Charger:	Three-stage intelligent (14.4V/1A/13.8V float)

POINTSOURCE is designed for indoor use only. For outdoor use, suitable weather protection must be employed. If the product is dropped or sustains physical damage, discontinue use immediately and dispose of the product safely.

LED indicators

The three green LEDs provide an indication of remaining battery life, though the level may dip under heavy load. If only one LED lights, recharging is recommended.

If none of the battery LEDs light then the battery is fully discharged and the unit will not operate, to prevent battery damage. In this case leave POINTSOURCE switched off until it has been charged.

The red LED lights when power is being delivered to a compatible device connected to the DATA port. It will flash if an incompatible (non-802.3af) device has been connected, or if the device has drawn more power than it is permitted to.

Using the 12 volt output

The 12 volt output can be used for accessories such as monitors or meters, and may be used at the same time or independently of the PoE supply.

Before connecting any equipment, switch off POINTSOURCE, check the wiring polarity, and ensure that the equipment can accept power in the range 10 to 14 volts.

The current drawn should not exceed 1.5 amps. The PoE and auxiliary outputs are both protected by a single 3 amp self-resetting fuse, however note that the auxiliary output can deliver significant currents for short periods before the fuse trips.

Battery replacement and end-of-life

POINTSOURCE has an anticipated battery life of 3-5 years, or approximately 200-1000 charging cycles, depending on discharge depth and operating temperature.

It uses a maintenance-free Sealed Lead Acid battery that is not replaceable by the user, however a battery replacement service may be available – contact Veracity for details. *Only Veracity specification batteries may be used in POINTSOURCE*; other similar sized units (eg, Yuasa) are not compatible.

Where the product has been purchased within the European Union, it should be disposed of at a lead-acid battery collection facility or returned at the customer's expense to Veracity UK Ltd. A professional service engineer may remove the battery for disposal by unscrewing the case and detaching the battery terminals.

Also from Veracity

HIGHWIRE

HIGHWIRE Ethernet over Coax technology lets you upgrade analog installations to digital easily, by re-using up to 300 metres of RG59 cable as a full 100BASE-T network connection

OUTREACH

Simply connect an OUTREACH Max to double the 100 metre range of Ethernet and PoE over Cat 5, or use multiple units to extend network and power up to 800 metres

TIMENET

Synchronising your DVR / NVR installation to an accurate reference time is essential. TIMENET receives atomic time from GPS, and hosts it as a universal NTP server

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